Form PTO-1595 R U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) 101914714 Tab settings ⇒ ⇒ ⇒ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: WESTERN DIGITAL TECHNOLOGIES, INC. 1. Raffi Codilian 2. Aswartha Narayana 3. Lan V. Ngo Internal Address: 10.23.01 Additional name(s) of conveying party(es) attached? 📭 Yes 💋 No 3. Nature of conveyance: Assignment Assignment Merger Merger Street Address: 20511 LAKE FOREST DRIVE Security Agreement Change of Name Other____ City: LAKE FOREST State: CA Zip: 92630 Execution Date: 10/19/2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 10/19/2001 A. Patent Application No.(s) B. Patent No.(s) Unknown 10003943 Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: MILAD G. SHARA, REG. 39,367 7. Total fee (37 CFR 3.41).....\$____ Enclosed Internal Address:_ WESTERN DIGITAL TECHNOLOGIES, INC. Authorized to be charged to deposit account INTELLECTUAL PROPERTY DEPT.- C2 8. Deposit account number: Street Address: 20511 LAKE FOREST DRIVE 23-1209 City: LAKE FOREST State: CA Zip: 92630 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information, is true and correct and any attached copy is a true copy of the original document.

12/12/2001 DBYRME

00000193 231209

MILAD G. SHARA, REG. 39,367

Name of Person Signing

10-25-01

Date

Total number of pages including cover sheet, attachments, and documents: L

ments to be recorded with required cover sheet information to: ommissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

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40.00 CH

PATENT

REEL: 012356 FRAME: 0079

ASSIGNMENT

Whereas, I, RAFFI CODILIAN, a United States citizen, residing at Irvine, California, have invented certain new and useful improvements in METHOD FOR REDUCING AN EFFECT OF VIBRATION ON A DISK DRIVE DURING A TRACK FOLLOWING OPERATION BY ADJUSTING AN ADAPTIVE-FILTER GAIN APPLIED TO AN ACCELERATION SENSOR SIGNAL (hereafter "Improvements") for which I have executed an application for a United States Patent filed on Herewith, Application No. Unknown (hereafter "Application"); and

Whereas, Western Digital Technologies, Inc. (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereof and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I hereby covenant and agree that I will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

State of California)
) ss.
County of Orange)

On Octobr 19 2001, before me, Adriana Varela, Notary Public, personally appeared RAFFI CODILIAN and proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

ADRIANA VARELA
Commission # 1264391
Notary Public - California
Orange County
My Comm. Expires May 19, 2004

Notary Signature

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ASSIGNMENT

Whereas, I, ASWARTHA NARAYANA, a United States citizen, residing at Mission Viejo, California, have invented certain new and useful improvements in METHOD FOR REDUCING AN EFFECT OF VIBRATION ON A DISK DRIVE DURING A TRACK FOLLOWING OPERATION BY ADJUSTING AN ADAPTIVE-FILTER GAIN APPLIED TO AN ACCELERATION SENSOR SIGNAL (hereafter "Improvements") for which I have executed an application for a United States Patent filed on Herewith, Application No. Unknown (hereafter "Application"); and

Whereas, Western Digital Technologies, Inc. (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereof and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I hereby covenant and agree that I will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

ASWARTHA NARAYANA Date

State of California)
) ss
County of Orange)

On October 19, 2001, before me, Adriana Varela, Notary Public, personally appeared ASWARTHA NARAYANA and proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

ADRIANA VARELA
Commission # 1264391
Notary Public - California
Orange County
My Comm. Expires May 19, 2004

Jotary Signature

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PATENT REEL: 012356 FRAME: 0081

ASSIGNMENT

Whereas, I, LAN V. NGO, a United States citizen, residing at Garden Grove, California, have invented certain new and useful improvements in METHOD FOR REDUCING AN EFFECT OF VIBRATION ON A DISK DRIVE DURING A TRACK FOLLOWING OPERATION BY ADJUSTING AN ADAPTIVE-FILTER GAIN APPLIED TO AN ACCELERATION SENSOR SIGNAL (hereafter "Improvements") for which I have executed an application for a United States Patent filed on Herewith, Application No. Unknown (hereafter "Application"); and

Whereas, Western Digital Technologies, Inc. (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all divisions, renewals and continuations thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I hereby covenant and agree that I will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

AN V. NGO 19/19/2001

State of California

) ss.

County of Orange

On October 19 2001, before me, Adriana Varela, Notary Public, personally appeared LAN V. NGO and proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

ADRIANA VARELA
Commission # 1244991
Notary Public - Collegate
Orange County
My Comm. Expires May 17, 2004

RECORDED: 10/23/2001

Notary Signature

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